Tel: +44 1460 256 100
Fax: +44 1460 256 101
www.golledge.com

Golledge Electronics Ltd
Ashwell Park, Ilminster
Somerset, TA19 9DX, UK

70 MHz IF SAW Filter - Low loss

Model: **TB0211A**

Part No: **MA05394**

REV NO.: 1

A. Maximum Rating:

1. Input Power Level: +20 dB_m
2. Operating Temperature: -10°C to +70°C
3. Storage Temperature: -40°C to +85°C

B. Electrical Characteristics:

Parameters	Unit	Min.	Typical	Max.
Center frequency, **Fc**	MHz	69.8	70	70.2
Insertion Loss, **IL**	dB	-	8.0	9.5
1 dB Bandwidth	MHz	3.4	3.6	-
3 dB Bandwidth	MHz	4.0	4.45	-
40 dB Bandwidth	MHz	-	7.18	8.0
Relative Attenuation:				
10 to 64.5 MHz	dB	40	45	-
74 to 140 MHz	dB	40	43	-
Amplitude ripple within Fc ± 1.5 MHz	dB	-	0.9	1.0
Group Delay ripple within Fc ± 1.5 MHz	nsec	-	190	220
Substrate Material	-	-	YZ-LN	-
Temperature Coefficient of frequency	ppm/ °C	-	-94	-

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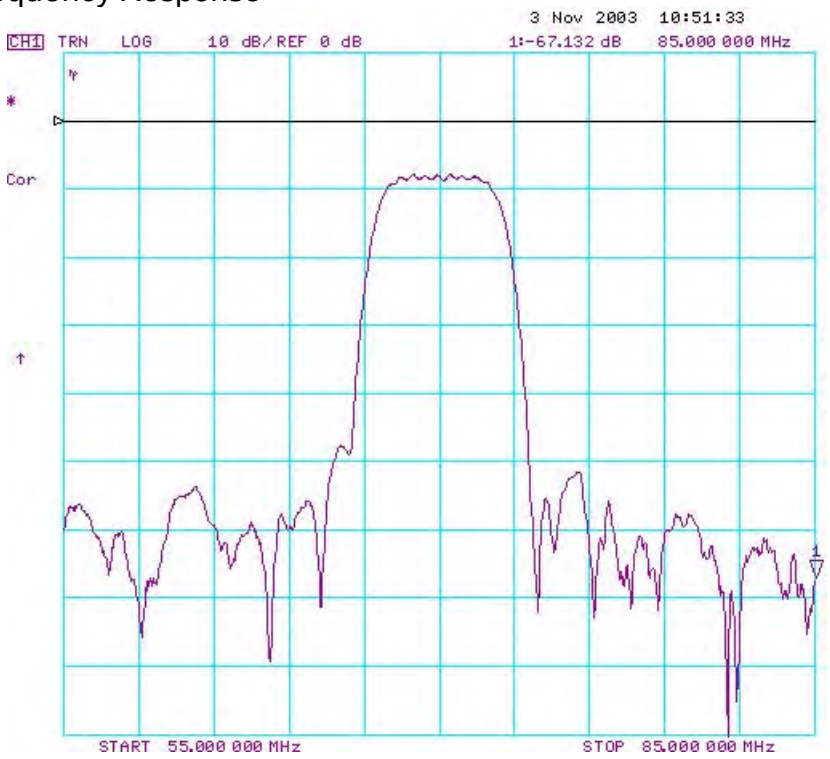
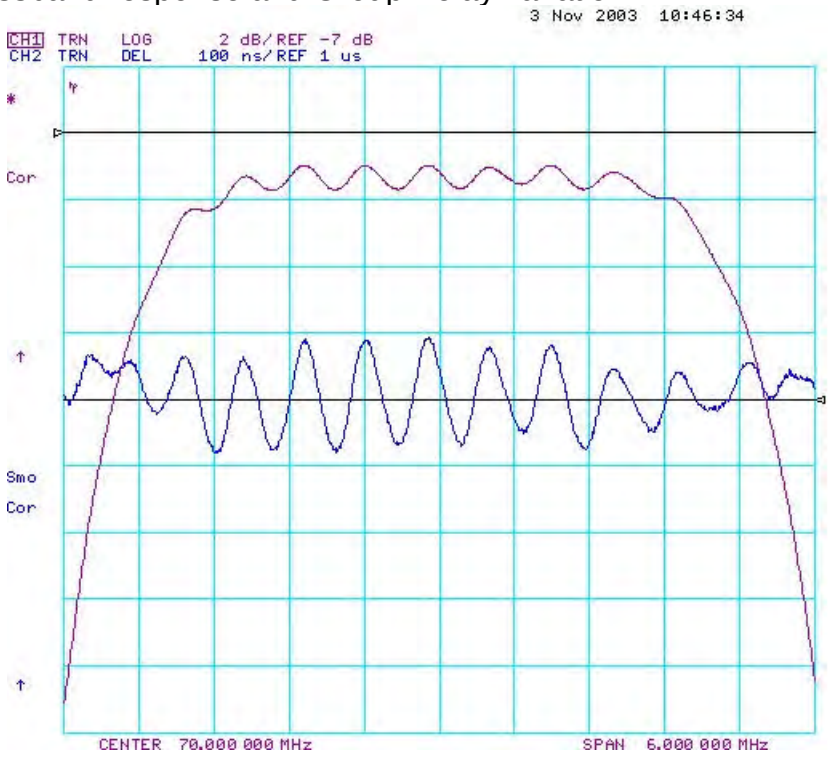
C. Frequency Characteristics:

(1) Frequency Response



(2) Passband response and Group Delay Variation



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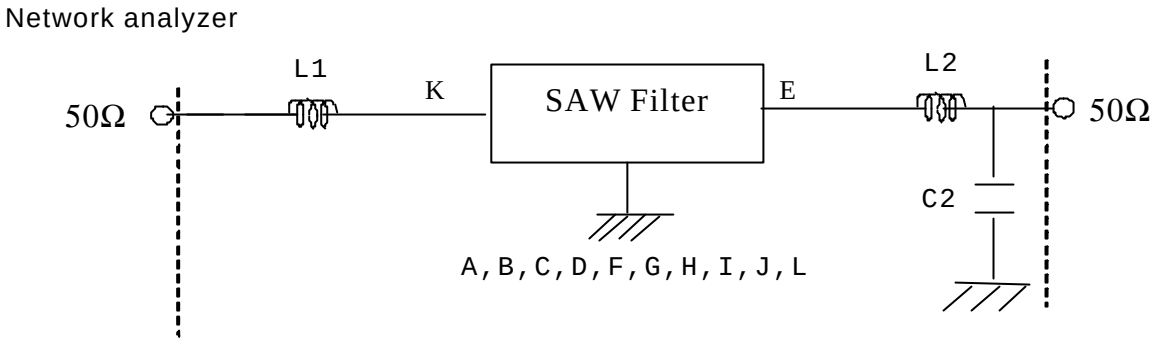
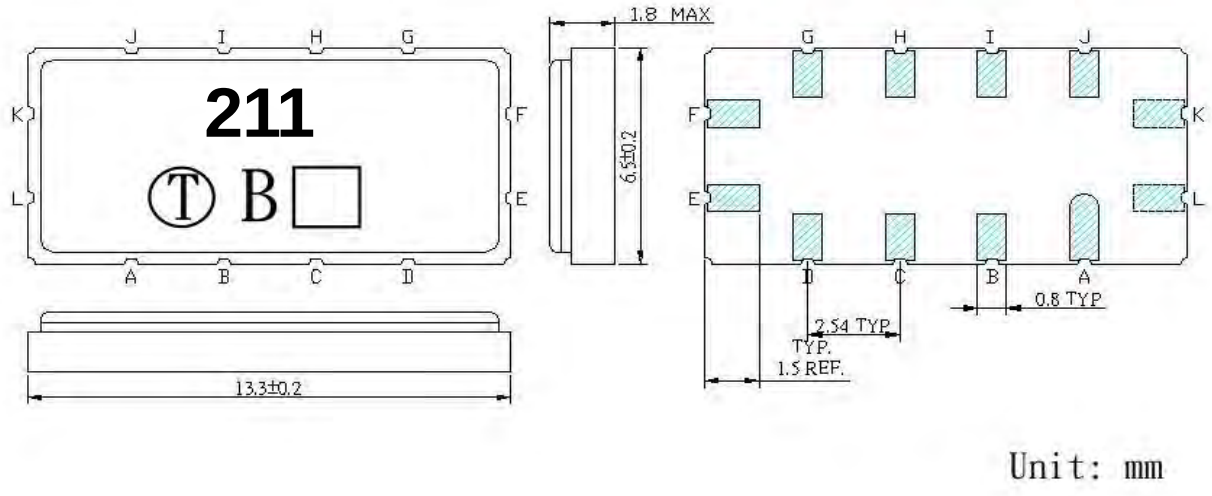
D. Measurement Circuit:

Source and load impedance: 50 Ω



Input: L1=220 nH, Q>40
Output: L2=100 nH, Q>40; C2=22 pF

E. Outline Drawing:



Pin K: RF Input Pin E: RF Output Pin L: Input Ground	Pin F: Output Ground Pin A, B, C, D, G, H, I, J: To be Ground ? : Date code